

MODEL HRV200H HEAT RECOVERY VENTILATOR

FEATURES

BLOWER:

- Fresh and stale air streams are isolated from each other to prevent mixing of stale air with fresh air
- High pressure, centrifugal blower accommodates many ducting configurations
- Balanced centrifugal blower wheels for quiet operation and long motor life
- Built-in dampers for balancing air streams and adjusting air flow
- Permanently lubricated, 120 VAC, 60 Hz, Permanent Split Capacitor (PSC) motor designed for continuous operation
- HVI certified to assure consistent operating performance
- UL listed and CSA certified

HOUSING:

- Rugged steel housing with corrosion-resistant finish
- Installed suspended from the ceiling joists
- Built-in no negative pressure defrost mechanism prevents freeze-ups
- Every part is removable in less than five minutes
- Door interlock switch automatically turns off power when door is opened
- 6" round inlets and outlets for easy duct connections
- Flanges on outdoor air stream connections allow for taping insulated ductwork
- All inside surfaces covered with foil-faced thermal/acoustic insulation
- Easily removable, washable air filters
- Built-in 3 foot power cord (2- wire plus ground, NEMA type 15)
- Suspension chains with springs provided to ensure quiet operation
- Built-in drain tube connection

CONTROLS:

- Off/Low/High switch on side of unit
- Optional Basic VT1W may be used
- Provisions for 24 volt low voltage high speed boost control
- Fully enclosed, modular controls mounted to outside of cabinet for improved reliability and easy servicing

CORE:

- Non-enthalpic core transfers energy without moisture vapor transfer. Use to control excess moisture in heating season
- Easily removable for cleaning and replacement - no tools required
- Material is U.L. flammability classified 94 HB.

TYPICAL SPECIFICATIONS

The Heat Recovery Ventilator shall be Broan-NuTone Model HRV200H.

Rated air flow shall be 210 cfm at 0.4 in. wg.

Unit to include easily-removable energy recovery core - no tools should be required to remove.

Fresh air and stale air streams to be isolated from each other to prevent mixing of stale air with fresh air.

Built-in dampers to be provided for balancing air streams and adjusting air flow.

Built-in no negative pressure defrost mechanism to be provided to prevent freeze-ups.

Provisions for mounting the unit to the ceiling joists provided.

Every part shall be removable in less than five minutes.

All interior surfaces to be covered with foil-faced thermal/acoustic insulation.

Unit shall include easily removable, washable air filters. No tools are to be required for filter cleaning/replacement.

Unit to include a 3 foot built-in power cord.

The controls are to be mounted outside of the unit and include off/low/high switch and provisions for low voltage controls.

Unit to accommodate 6" round, insulated duct. Taping flanges on outdoor air stream connections shall be provided.

Blower shall be designed for continuous operation using a plug-in, permanently lubricated, PSC (Permanent Split Capacitor) motor and balanced centrifugal blower wheels.

Unit to be UL listed, CSA certified, and HVI certified.



Broan-NuTone LLC, A Nortek Company, Hartford, Wisconsin 53027

REFERENCE	QTY.	REMARKS	Project
			Location
			Architect
			Engineer
			Contractor
			Submitted by Date

PERFORMANCE RATINGS

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Option Installed: Defrost

Electrical Requirements:

120 Volts 1.9 Amps

Exhaust Air Transfer Ratio:

0.04 @ 50 Pa/0.2 in. wg

Low Temp. Vent Reduction Factor:

0% Supply 23% Exhaust

Low Temp. Imbalance Factor: 1.0

VENTILATION PERFORMANCE							
External Static Pressure		Net Supply Air Flow		Gross Air Flow			
				Supply		Exhaust	
Pa	in. wg	L/s	cfm	L/s	cfm	L/s	cfm
50	0.2	107	226	111	236	113	240
75	0.3	106	224	110	234	107	225
100	0.4	99	210	104	219	102	216
125	0.5	91	193	95	200	96	202
150	0.6	78	166	81	173	86	183
175	0.7	67	143	70	149	72	154
200	0.8	51	107	53	111	51	108

ENERGY PERFORMANCE								
	Supply Temperature		Net Air Flow		Power Consumed (Watts)	Sensible Recovery Efficiency (%)	Apparent Sensible Effectiveness (%)	Latent Recovery Moisture Transfer
	°C	°F	L/s	cfm				
	0	32	51	109	92	69	76	-0.01
Heating	0	32	73	155	128	65	72	-0.02
	0	32	102	215	191	62	70	-0.01
	-25	-13	52	110	104	60	94	0.05

